## **CLAIMS**

1. A method for processing a digitally captured image that comprises an imaged document, said method comprising:

transforming said digitally captured image into a binary image;
searching said binary image to detect a plurality of edges of said imaged document; and
analyzing said detected plurality of edges to determine at least one corner associated with
said imaged document;

wherein said transforming, searching, and analyzing are performed by programmable logic associated with a processor-based system.

- 2. The method of claim 1 further comprising: performing perspective adjustment utilizing said determined at least one corner.
- 3. The method of claim 1 wherein said transforming comprises: determining a luminance threshold associated with said digital image.
- 4. The method of claim 3 wherein a pixel of said binary image equals: (1) a logical value of one when a corresponding pixel in said digitally captured image is associated with a value greater than said luminance threshold; or (2) a logical value of zero otherwise.
  - 5. The method of claim 1 wherein said analyzing comprises: analyzing a respective magnitude of slope associated with each of said plurality of edges.
  - 6. The method of claim 1 wherein said analyzing comprises: searching for a turning point in each of said plurality of edges.
  - 7. The method of claim 6 wherein said analyzing comprises: assigning detected turning points as ones of a plurality of corners.

- 8. The method of claim 1 wherein said analyzing comprises: averaging locations associated with end points of ones of said plurality of edges to determine ones of a plurality of corners.
- 9. A system for processing a digitally captured image that comprises an imaged document, said system comprising:

means for transforming said digitally captured image into a binary image; means for detecting edges of said imaged document from said binary image; and means for estimating at least one corner location of said imaged document from said detected edges.

- 10. The system of claim 9 further comprising:

  means for performing perspective enhancement of said image document utilizing said at least one estimated corner location.
- 11. The system of claim 9 wherein said means for transforming is operable to calculate a luminance threshold of said digitally captured image.
- 12. The system of claim 9 wherein said means for transforming is operable to assign a logical value of one to a pixel of said binary image that corresponds to a pixel of said digitally captured image that is associated with a value greater than said luminance threshold and is operable to assign a logical value of zero otherwise.
- 13. The system of claim 11 wherein said means for transforming is operable to construct a histogram of luminance values of said digitally captured image to determine said luminance threshold.
- 14. The system of claim 9 wherein said means for estimating is operable to analyze said detected edges to identify turning points wherein said turning points are associated with a change in slope sign of said detected edges with respect to said binary image.

- The system of claim 14 wherein said means for estimating utilizes detected turning points as corner locations.
- 16. The system of claim 9 wherein said system is selected from the group consisting of: a personal computer, a personal digital assistant (PDA) and a digital camera.
- 17. A computer-readable medium comprising executable instructions for processing a digitally captured image that comprises an imaged document, said computer-readable medium comprising:

code for applying a luminance threshold to said digitally captured image to construct a binary image;

code for detecting edges of said imaged document from said binary image, wherein said code for detecting is operable to search from each respective margin of said binary image for a change in value in said binary image to detect said edges; and

code for determining at least one of corner location from said detected edges.

- 18. The computer-readable medium of claim 17 further comprising:

  code for performing perspective enhancement of said imaged document utilizing said determined at least corner location.
- 19. The computer-readable medium of claim 17 wherein said code for determining is operable to analyze said detected edges for points associated with a change in sign of slope with respect to said binary image.
- 20. The computer-readable medium of claim 19 wherein said points associated with a change in sign of slope are utilized as corner locations.